

FR1000

Self-Powered AM/FM/NOAA Weather/2-Way GMRS Radio
with Flashlight, Siren and Cell Phone Charger

OWNER'S MANUAL



eton
re_inventing radio
www.etoncorp.com



DO YOU NEED HELP?

If you need help, please contact us:

Monday-Friday, 8:30 a.m.-4:00 p.m., North American Pacific Time.

1-800-872-2228 from the U.S ; 1-800-637-1648 from Canada

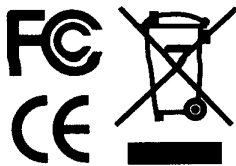
650-903-3866, worldwide ; FAX: 650-903-3867 ; www.etoncorp.com

Étón Corporation, 1015 Corporation Way, Palo Alto, CA 94303, USA

WARNING

- Do not expose this appliance to rain or moisture.
- Do not submerge or expose for extended period to water.
- Protect from high humidity and rain.
- Only operate within specified temperature range (0 °C to 40 °C).
- Unplug immediately if liquid has been spilled or object have fallen into the apparatus.
- Clean only with a dry cloth. Do not use detergents or chemical solvents as this might damage the finish.
- Unplug and disconnect external antennas (not included) during lightning storms.
- Do not remove cover [or back].
- Refer servicing to qualified service personnel.

ENVIRONMENT



Disposal

According to the European Directive 2002/96/EC all electrical and electronic products must be collected separately by a local collection system.

Please act according to your local rules and do not dispose of your old products with your normal household waste.

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WELCOME TO THE WORLD OF ETÓN ELECTRONICS

Congratulations on your purchase of a high quality ETÓN product. Your 2way radio represents the state-of-the-art in high-tech engineering. Designed for GMRS (General Mobile Radio Service) operation, this compact package is big in performance. It is a quality piece of electronic equipment, skillfully constructed with the finest components. The circuitry is all solid-state and mounted on a rugged printed circuit board. Your two-way radio is designed for reliable and trouble-free performance for years to come.

FEATURES

- 22 GMRS/FRS Channel
- 121 Privacy Codes (38 CTCSS / 83 DCS)
- AM/FM Receiver
- VOX
- Selectable Call Alert
- NOAA Weather Radio
- NOAA Weather Alert
- Scan Function
- MONITOR Function
- Dual Watch Function
- Roger Beep Tone
- Silent Operation
- Keypad Lock
- Power HI/LO Settings
- Flashlight
- Clock/Alarm Clock Function
- Dynamo Crank Battery Charge Capability
- Phone Charger Jack (For Mobile Phone Charging)
- Speaker / Microphone Jacks
- Battery Meter / Battery Low Indicator
- SOS Function
- Siren Function

FEATURES continued

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) this device does not cause harmful interference, and (2) this radio must accept any interference that may cause undesired operation. To maintain compliance with FCC's RF exposure guidelines, for body-worn operation, this radio has been tested and meets the FCC RF exposure guidelines when used with Etón Radio Corp. accessories supplied or designated for this product. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

IMPORTANT NOTICE, FCC LICENSE REQUIRED FOR GMRS OPERATION

The FR1000 Series operates on GMRS (General Mobile Radio Service) frequencies which require an FCC (Federal Communications Commission) license. You must be licensed prior to operating on channels 1 - 7 or 15 - 22, which comprise the GMRS channels of the FR1000 Series. Serious penalties could result for unlicensed use of GMRS channels, in violation of FCC rules, as stipulated in the Communications Act's Sections 501 and 502 (amended). You will be issued a call sign by the FCC which should be used for station identification when operating the radio on GMRS channels. You should also cooperate by engaging in permissible transmissions only, avoiding channel interference with other GMRS users, and being prudent with the length of their transmission time. To obtain a license or ask questions about the license application, contact the FCC at 1-888-CALL FCC or go to the FCC's website: <http://www.fcc.gov> and request form 605.

IMPORTANT NOTICE, FCC LICENSE REQUIRED FOR GMRS OPERATION continued

Exposure To Radio Frequency Energy

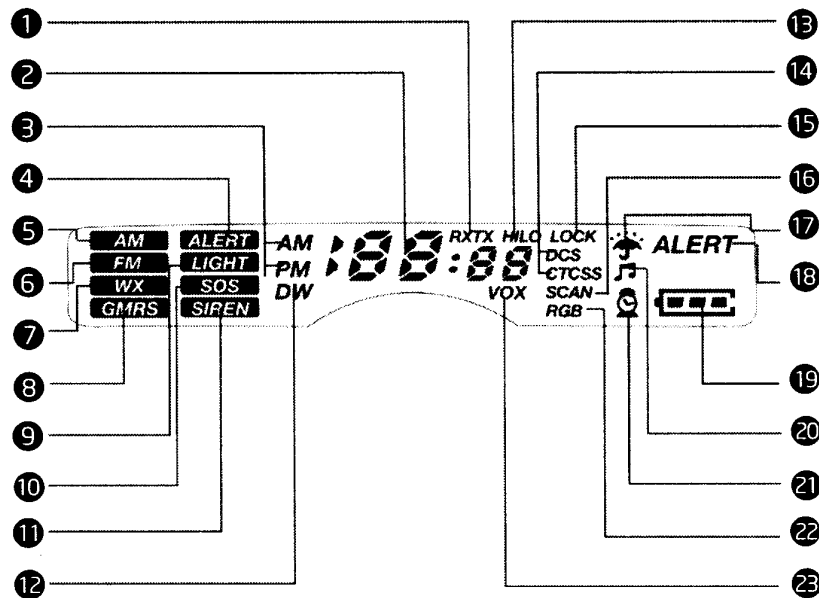
Your Etón radio is designed to comply with the following national and international standards and guidelines regarding exposure of human being to radio frequency electromagnetic energy:

- United States Federal Communications Commission, Code of Federal Regulations: 47 CFR part 2 sub-part J
- American National Standards Institute (ANSI)/Institute of Electrical & Electronic Engineers (IEEE) C95. 1-1992
- Institute of Electrical and Electronic Engineer (IEEE) C95. 1-1999 Edition
- National Council on Radiation Protection and Measurements (NCRP) of the United States, Report 86, 1986
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998

To control your exposure and ensure compliance with the general population or uncontrolled environment exposure limits, transmit no more than 50% of the time. The radio generates measurable RF energy exposure only when transmitting.

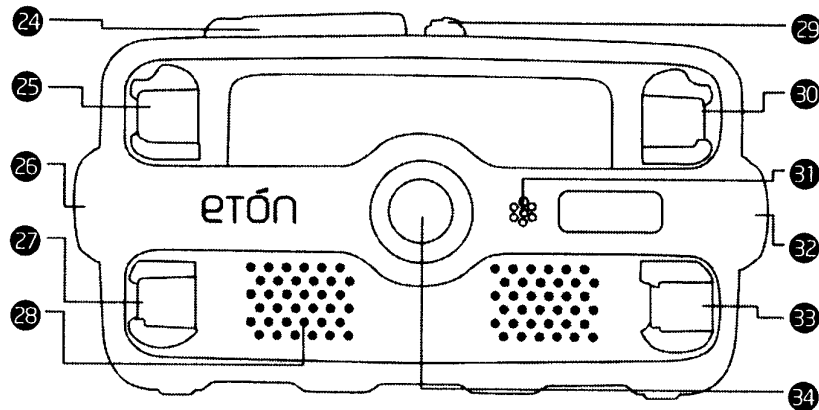
IMPORTANT: Changes or modifications to this unit not expressly approved by Etón could void your right to operate this unit. Your radio is set up to transmit a regulated signal on an assigned frequency. It is against the law to alter or adjust the settings inside the radio to exceed those limitations. Any adjustment to your radio must be made by qualified technicians.

LCD DISPLAY



- 1. RECEIVER (RX)/TRANSMIT(TX) ICON -** Indicates radio is transmitting a signal (TX) or if the radio is receiving a transmission (RX).
- 2. CHANNEL NUMBER -** Changes from 1-22 on GMRS/FRS band (1-7 on WX Band). This is also used to indicate in part the current AM/FM receiver frequency setting and the current clock setting.
- 3. CLOCK AM/PM ICON -** Indicates clock is set in AM or PM.
- 4. NOAA WEATHER (WX) ALERT ICON -** Indicates the WX Alert function is on.
- 5. AM RECEIVER ICON -** Indicates radio is in AM receiver mode.
- 6. FM RECEIVER ICON -** Indicates radio is in FM receiver mode.
- 7. NOAA WEATHER (WX) BAND ICON -** Indicates when the radio is in Weather Band mode
- 8. GMRS ICON -** Indicates radio is in GMRS mode
- 9. FLASHLIGHT ICON -** Indicates the Flashlight is on.
- 10. S.O.S ICON -** Indicates the SOS function is on.
- 11. SIREN ICON -** Indicates the Siren function is on.
- 12. DUAL WATCH ICON -** Indicates the Dual Watch function is on.
- 13. TRANSMIT POWER LEVEL ICON -** Indicates TX Power setting (HI/LO)
- 14. PRIVACY CODE ICON -** Indicates Privacy Code setting (CTCSS/DCS).
- 15. KEY LOCK ICON -** Indicates KEY LOCK mode is on.
- 16. SCAN ICON -** Indicates when the radio is in Scan mode.
- 17. NOAA WEATHER (WX) BAND ICON -** Indicates when the radio is in Weather Band mode
- 18. ALERT ICON -** Indicates the radio has received a NOAA Weather (WX) ALERT signal
- 19. BATTERY METER -** Indicates the battery level.
- 20. KEY TONE ICON -** Indicates radio's Key Beep Tone is on.
- 21. ALARM CLOCK ICON -** Indicates when the ALARM CLOCK is on.
- 22. ROGER BEEP ICON -** Indicates radio's Roger Beep Tone is on.
- 23. VOX ICON -** Indicates when VOX mode is active.

CONTROLS



24. ANTENNA

25. BAND SWITCH - Used to switch between AM/FM/WX/GMRS mode.

26. FLASHLIGHT - Built-in flashlight.

27. FUNCTION SWITCH - Used to switch between WX Alert/OFF/Flashlight/SOS/Siren function.

28. SPEAKER - Built-in speaker.

29. BATTERY SOURCE SWITCH - Used to switch the radio OFF or switch between Alkaline and Rechargeable NiMH batteries.

30. TUNING KNOB - Rotate clockwise/coun-

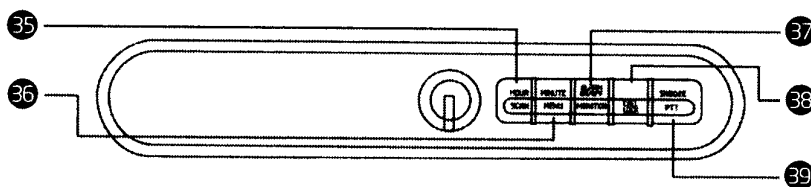
ter-clockwise to make adjustment in the MENU mode. It can also make adjustment in the CLOCK, WX and AM/FM receiver mode.

31. MIC - Built-in microphone.

32. DYNAMO CRANK HANDLE - Rotate clockwise or counter-clockwise to charge the NiMH battery pack.

33. DYNAMO CRANK HANDLE SHAFT

34. VOLUME KNOB - Turn clockwise to increase the volume level. Turn counter-clockwise to decrease the volume level



35. SCAN/HOUR BUTTON - Press the set the Scan mode on/off in GMRS mode. Press to change the Hour setting in Clock mode.

36. MENU/MINUTE BUTTON - Press to access Menu mode in GMRS/FRS and WX mode. Press to change the Minute setting in Clock mode.

37. MONITOR/ALARM ON/OFF BUTTON - Press to turn on the Monitor function in GMRS mode. Press and hold to turn alarm

on/off in Clock mode.

38. LOCK/CALL BUTTON - Press and hold to set the key pad lock on/off in GMRS mode. Press to send a CALL Alert signal in GMRS mode.

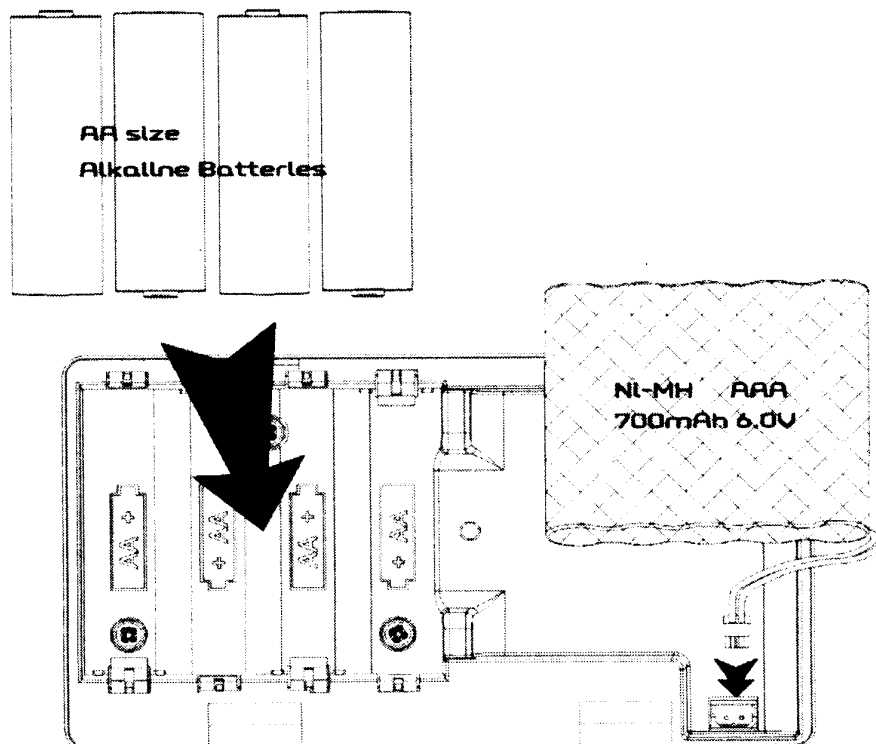
39. PTT/SNOOZE BUTTON - Press and hold to transmit voice communication in GMRS mode. Press to confirm the selection in MENU and Clock mode. Press to activate SNOOZE function in Clock mode.

BATTERY INSTALLATION

Your FR1000 Series radio operates with either 4 AA Alkaline batteries or a NiMH battery pack.

To install the batteries:

1. With the back of the radio facing you, remove the Battery Cover by pressing down the Battery Cover Lock Tab until it unlocks and lifting it out from the radio.
2. Insert 4 AA batteries observing the polarity as shown. Installing the batteries incorrectly will prevent the unit from operating or may damage the unit. Also install the NiMH battery pack as shown below.
3. Return the Battery Cover by pushing it down into the back of the radio until the Battery Cover Lock Tab locks into place.



CHARGING THE BATTERY PACK

Your FR1000 Series is equipped for using a rechargeable NiMH battery pack which can be recharged using an AC wall adapter (included). Initial charge time is 24 hours with a charge time of 12 hours thereafter. For maximum battery life, we recommend charging the battery pack when the low battery icon comes on. Remove the charger from the radio when the charge time expires. For the location of the CHARGING JACK see page 24.

In order to ensure that the battery pack is fully charged, it is recommended that the battery pack be charged for at least 12 hours with the radio turned OFF.

You can also charge the rechargeable NiMH battery pack using the Dynamo Crank. To charge using the Dynamo Crank rotate rapidly the Dynamo Crank handle clockwise or counter-clockwise.

To get the best charging condition, it is recommended to charge the battery pack through the Dynamo Crank with the radio turned OFF.

1. Only use our NiMH battery pack.
2. Do not attempt to charge alkaline batteries or any batteries or battery packs other than the one indicated in the manual. This may cause leakage and damage to the radio.
3. For long term storage of the radio, turn the radio OFF and remove the batteries from the radio.

LOW BATTERY LEVEL INDICATOR

Your FR1000 Series has a **BATTERY LEVEL METER**  that shows the battery power level. The greater the number of bars visible, the stronger the battery level. When the battery level is low, the **Battery Shell**  icon will flash in the display indicating your batteries should be replaced or recharged if using a rechargeable battery pack.

SELECTING THE POWER SOURCE

Your FR1000 Series can use either an Alkaline battery or the rechargeable NiMH battery pack. Just set the **BATTERY SOURCE** switch to either **"Battery"** or **"Dynamo-Adapter"** (for NiMH battery pack) position.

OPERATING YOUR RADIO

SETTING THE RADIO TO GMRS/FRS MODE

To set the FR1000 to GMRS/FRS mode, move the BAND switch in GMRS position. The LCD will show the current GMRS/FRS channel setting. The GMRS ICON will appear on the display.

POWER ON/OFF AND VOLUME

Turn the BATTERY SOURCE switch and choose between Alkaline batteries or NiMH Battery Pack to turn the radio on. Rotate the VOLUME knob clockwise to increase the volume level. Rotate the control counterclockwise to reduce the volume level. During Power On, the LCD will display all icons for 1 second and the LCD display will indicate the last channel/frequency selected.

OPERATING YOUR RADIO *continued*

TRANSMITTING AND RECEIVING A CALL

To communicate, all radios in your group must be set to the same channel and Privacy Code.

1. Press and hold the PTT button and speak in a normal voice into the microphone. The TX icon will appear continuously on the LCD Display while transmitting.
2. To receive a call, release the PTT button. The RX icon will appear on the display when your radio is receiving a transmission.

ABOUT RANGE

Your FR1000 Series radios are designed to give you maximum range under optimum conditions.

Optimum Conditions are:

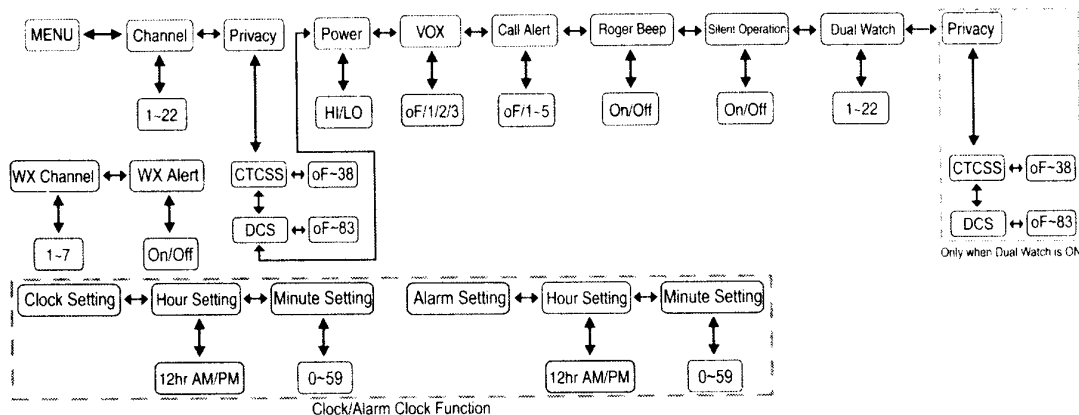
- Over water
- Open rural areas without obstructions
- Flat areas where you can see the other person

To ensure you get maximum range:

- Be sure to use fresh or fully charged batteries - low batteries will cause low power conditions
- Be sure you are on a GMRS channel - FRS channels are restricted by the FCC to low power
- Be sure to set your radio to use Hi power.
- Be sure to point the ANTENNA upward.

OPERATING YOUR RADIO continued

FR1000 QUICK REFERENCE CHART



CHANNEL SELECTION (GMRS/FRS BAND)

Turn the TUNING knob clockwise or counter-clockwise to select one of the 22 GMRS/FRS channels.

MONITOR

Pressing the MONITOR button will let you check activity on your current channel before transmitting. This could also be used to adjust the volume level of the radio when it is not receiving a signal. Press the MONITOR button again to get out of MONITOR mode.

SCAN

Your FR1000 Series can scan all 22 channels for any activity. To enter, quickly press the SCAN button. Repeat the same procedure to exit. Your radio will rapidly scan each of the 22 channels and stop on any active channel. Your radio will stay on the active channel as long as the signal is present and will resume scanning 5 seconds after the signal is no longer present. When you press the PTT button to transmit on an active channel, the scanning function will stop and remain on the active channel. To resume scanning, quickly press the button.

OPERATING YOUR RADIO *continued*

CALL ALERT

Your FR1000 Series can transmit a call alert for a fixed length of time. To send a call alert, press the CALL/LOCK button. The TX icon will appear while transmitting a call alert and a tone can be heard on the speaker for confirmation. The FR1000 has 5 call alert selections.

KEYPAD LOCK

To avoid accidentally changing the radio setting, press and hold the CALL/LOCK button for about 4 seconds. The KEY LOCK icon will appear on the display. The PTT, CALL, and MONITOR function will still be active. Repeat the same procedure to unlock the keypad.

DISPLAY ILLUMINATION

During Power on, the display illumination will activate for approx. 5 seconds. The display illumination can also be activated when the MENU, SCAN, and MONITOR button is pressed. It can also be activated if the TUNING knob is turned.

Note: *In Clock Mode (Power Off) the display illumination can be activated by pressing the MENU, SCAN, and MONITOR button.*

SETTING PRIVACY CODES

Your FR1000 Series has 121 Privacy Codes available. The selected Privacy Code may be different for each channel. To select a Privacy Code for the current channel press the MENU button once, and then turn the TUNING knob to select one of the 38 CTCSS Privacy Code. Press again the MENU button and turn the TUNING knob to select one of the 83 DCS Privacy Code. The Privacy Code icon on the display will indicate whether you set your Privacy Code in CTCSS or DCS mode. To confirm the selection, press the PTT button or press MENU

OPERATING YOUR RADIO *continued*

button again to move to the next feature setting.

Note: *If you select any CTCSS Privacy Code, any pre-selected DCS Privacy Code will be cancelled and vice-versa. Selecting a Privacy Code of "oF" will disable the Privacy feature. To communicate between two FR1000 Series radios, all radios in your group must be set to the same channel and Privacy Code selections.*

TRANSMIT (TX) POWER LEVEL SELECTION

Your FR1000 Series has 2 power level settings. To select the power level on channels 1~7 and 15~22, press the MENU button until a "Pr" icon will appear on the display. Then turn the TUNING knob to select TRANSMIT POWER LEVEL icon (HI/LO). To confirm, press the PTT button or press MENU button again to move to the next feature setting. When the Battery Meter drops to 1 bar , the TX Power will automatically switch from HI to LO level.

Note: *You cannot adjust the power setting on the FRS channels (8~14). They are set to Low power per FCC regulations.*

VOX (Hands-free Transmission)

Your radio has 3 VOX level settings: (*oF/1/2/3*). To set **VOX**, press the **MENU** button until the display shows "Vo" while on the right, an "oF" icon appears. Select "1", "2", or "3" by turning the **TUNING** knob and push the **PTT** key, or press **MENU** button again to move to the next feature setting. **VOX** will be more sensitive on the "1" setting than on the "3" setting. To turn **VOX** off, press the **MENU** button until the display shows "Vo" while on the right, a "1", "2" or "3" icon appears. Select "oF" by turning the **TUNING** knob and push the **PTT** key, or press **MENU** button again to move to the next feature setting.

OPERATING YOUR RADIO *continued*

CALL ALERT SELECTION

Your FR1000 Series has 5 selectable **CALL ALERTS** (oF/1~5). To select, press the **MENU** button until a “CA” icon appears and to the right of the “CA” icon the current **CALL ALERT** setting is displayed. Then turn the **TUNING** knob to make the **CALL ALERT** selections - the radio will emit a corresponding tone for each selection. To confirm, press the **PTT** button or press **MENU** button to move to the next feature setting.

Note: *Setting the CALL Alert to “oF” will disable the CALL Alert function.*

ROGER BEEP (end of transmission) TONE

When the PTT button is released, the radio will beep to confirm to other users that your transmission has finished. To turn the ROGER BEEP tone on, press the MENU button until the display shows an “rb” icon while on the right of the “rb” display, an “oF” icon appears. Select “on” by turning the TUNING knob and push the PTT key, or press MENU button to move to the next feature setting. The ROGER BEEP icon will appear on the display. To turn the ROGER BEEP tone off, press the MENU button until the display shows an “rb” icon while on the right of the “rb” display, an “on” icon appears. Select “oF” by turning the TUNING knob and push the PTT key, or press MENU button to move to the next feature setting. The ROGER BEEP icon will disappear on the display.

SILENT OPERATION

Your FR1000 Series has a SILENT OPERATION mode. In this mode, all “beeps” and “tones” are disabled. *To turn the SILENT OPERATION mode on*, press the MENU button until the display shows an “bP” icon while on the right of the “bP” display, an “on” icon appears. Select

OPERATING YOUR RADIO *continued*

"oF" by turning the TUNING knob and push the PTT key to confirm or press the MENU button to move to the next feature setting. The KEY TONE icon will appear on the display.

To turn the SILENT OPERATION mode off, press the MENU button until the display shows an "bP" icon while on the right of the "bP" display, an "oF" icon appears. Select "on" by turning the TUNING knob and push the PTT key or MENU button. The KEY TONE icon will disappear on the display.

Note: *the SILENT OPERATION is on ("bP" is set to "oF") by default.*

DUAL WATCH

Your FR1000 Series has a DUAL WATCH function, to enable user to monitor 2 selected channel/privacy code for any activity. It is similar with the SCAN function but will only monitor 2 channels instead of the whole 22 channels. The first channel/privacy code is the current setting, the second channel/privacy code is the one you will set on the MENU.

To turn on the DUAL WATCH function, press the MENU button until the DUAL WATCH icon appear while in the right an "oF" icon appears. Select the second channel by turning the TUNING knob. To select a Privacy Code for the second channel press the MENU button once, and then turn the TUNING knob to select one of the 38 CTCSS Privacy Code or press again the MENU button and turn the TUNING knob to select one of the 83 DCS Privacy Code. Press the MENU or PTT button to confirm. The DUAL WATCH icon will remain on the display. The radio will rapidly scan the two channels selected and stop on any active channel. Your radio will stay on the active channel

OPERATING YOUR RADIO continued

as long as the signal is present and will resume scanning 5 seconds after the signal is no longer present.

To turn off the **DUAL WATCH** function, press the **SCAN** button. The current **GMRS/FRS** radio setting will be displayed and the **DUAL WATCH** icon will disappear on the display.

SETTING THE RADIO TO NOAA WEATHER RADIO MODE

To set the FR1000 to **NOAA WEATHER RADIO** mode, move the **BAND** switch in **WX** position. The LCD will show the current **WX** channel setting, and the **NOAA WEATHER (WX) BAND** icon will appear on the display. Turn the TUNING knob to select one of the 7 **NOAA WEATHER (WX) BAND** channels.

NOAA WEATHER ALERT

Your FR1000 has a **NOAA WEATHER ALERT** function, to enable you to automatically receive weather alert from designated **NOAA** stations.

To turn the **NOAA WEATHER (WX) ALERT** on, turn the **FUNCTION** switch to . The **NOAA WEATHER (WX) ALERT** icon will appear on the display. If the radio receives a **WX ALERT** signal from a designated **NOAA** station while on any mode, the radio will beep for 20 seconds while the **ALERT** icon will blink on the display. After which, you can set the **BAND** switch to **WX** position to go to **NOAA WEATHER RADIO** mode to listen to the emergency broadcast.

The NOAA WEATHER (WX) ALERT icon will remain blinking on the display when it receives a WX ALERT signal unless the BAND switch is set to WX mode or any button is pressed. This is to remind the user that a WX Alert signal have been received

OPERATING YOUR RADIO *continued*

in case they missed it.

To turn the **NOAA WEATHER (WX) ALERT** off, move the **FUNCTION** switch from  position to other position.

SETTING THE RADIO TO AM/FM RECEIVER MODE

To set the FR1000 to AM/FM RECEIVER mode, move the **BAND** switch in AM or FM position. The LCD will show the current AM or FM channel setting.

CHANNEL SELECTION (AM/FM BAND)

Turn the **TUNING** knob clockwise or counter-clockwise to select the AM or FM frequency. Turning and holding the **TUNING** knob will make the radio scan for the frequency continuously until it receives a strong signal.

SETTING THE RADIO TO CLOCK MODE

To set the FR1000 to **CLOCK** mode, just turn the **BATTERY SOURCE** switch to OFF. The display will show the current time setting.

CHANGING THE HOUR SETTING

To change the hour setting of the clock, press the **SCAN/HOUR** button while in **CLOCK** mode, and the hour digit of the clock will blink. Turn the **TUNING** knob to change the hour setting. Press the **PTT** button to confirm.

CHANGING THE MINUTE SETTING

To change the minute setting of the clock, press the **MENU/MINUTE** button while in **CLOCK** mode, and the minute digit of the clock will blink. Turn the **TUNING** knob to change the hour setting. Press the **PTT** button to confirm.

OPERATING YOUR RADIO *continued*

SETTING THE ALARM CLOCK

The FR1000 can also function as an ALARM CLOCK. To turn the ALARM CLOCK on, press the ALARM ON/OFF button while in CLOCK mode. The ALARM CLOCK icon will appear. To set the hour setting of the ALARM, press the SCAN/HOUR button while in CLOCK mode, and the hour digit of the clock will blink. Turn the TUNING knob to change the hour setting. Press the PTT button to confirm. To set the minute setting of the ALARM, press the MENU/MINUTE button while in CLOCK mode, and the minute digit of the clock will blink. Turn the TUNING knob to change the minute setting. Press the PTT button to confirm. To turn the ALARM CLOCK off, press the ALARM ON/OFF button while in CLOCK mode. The ALARM CLOCK icon will disappear.

NOTE: *You can only turn on/off the ALARM CLOCK when the radio is in CLOCK mode. The ALARM ON/OFF button will have other function when the radio is in another mode.*

ALARM CLOCK SNOOZE

When the ALARM CLOCK goes off, you can activate the SNOOZE function by pressing the SNOOZE button. Every time the SNOOZE button is pressed the ALARM CLOCK will go off again after 5 minutes.

USING THE FLASHLIGHT

Your FR1000 Series has a built-in FLASHLIGHT.

To turn the FLASHLIGHT on, turn the FUNCTION switch to .

To turn the FLASHLIGHT off, set the FUNCTION switch to OFF.

NOTE: *The FLASHLIGHT will only work when the BATTERY SOURCE switch is set to BATTERY or DYNAMO-ADAPTER position.*

OPERATING YOUR RADIO *continued*

USING THE S.O.S.

Your FR1000 Series has a SOS function. During this, a RED LED will blink to spell SOS in Morse Code to serve as beacon light. To turn the SOS on, turn the FUNCTION switch to .

To turn the SOS off, set the FUNCTION switch to OFF.

NOTE: The SOS will only work when the BATTERY SOURCE switch is set to BATTERY or DYNAMO-ADAPTER position.

USING THE SIREN

Your FR1000 Series has a built-in SIREN. During this function, the radio will emit a continuous tone. To turn the SIREN on, turn the FUNCTION switch to . To turn the SIREN off, set the FUNCTION switch to OFF.

NOTE: The SIREN will only work when the BATTERY SOURCE switch is set to BATTERY or DYNAMO-ADAPTER position.

EXTERNAL SPEAKER/MICROPHONE JACK

Your FR1000 Series can be used with an optional external speaker/microphone or headset thru the **SPEAKER/MICROPHONE JACK**, freeing your hands for other tasks.

To use an optional speaker/microphone or headset:

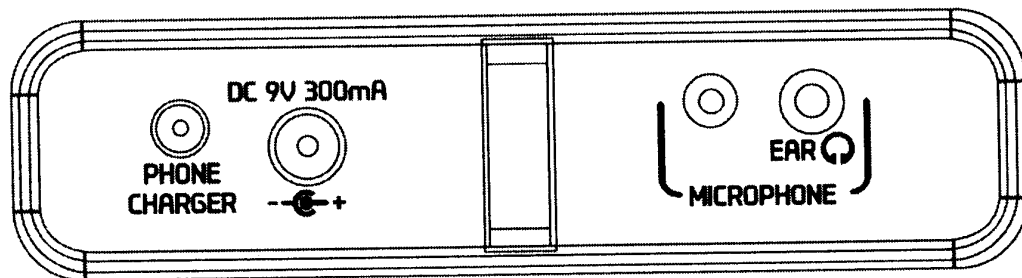
- Open the **SPEAKER/MIC** jack rubber cap on the side radio.
- Insert the plug (s) into the **SPK/MIC**.
- Place the earbud into your ear, and adjust the mic into your desired position.

PHONE CHARGER JACK

Your FR1000 Series can be used to charge a mobile phone by the **DYNAMO CRANK**, or **AC Adapter** thru the PHONE CHARGER Jack.

- Set the **BATTERY SOURCE** switch to **DYNAMO-ADAPTER** position.
- Open the **PHONE CHARGER** jack rubber cap on the side radio.
- Attach a **Charging Cable** (not included) to the mobile phone.
- Connect the other end of the **Charging Cable** to the **PHONE CHARGER** jack of the FR1000.
- Recharge the mobile phone battery by turning rapidly the **DYNAMO CRANK**, or by attaching the **AC Adapter** in the Charging Jack.

***Note:** Charging a mobile phone through the Phone Charger Jack is intended for emergency purpose only. It is not intended for recharging fully a discharged battery.*



TROUBLESHOOTING GUIDE

No Power	- Check battery installation and/or replace batteries
Cannot Receive Messages	- Confirm the radios have the same channel and Privacy Code settings. - Make sure that you are within range of the other transceivers. - Buildings and other structures may interfere with your communication. (See ABOUT RANGE on Page 14)
Radio is not responding to button presses	- Make sure key lock is not on. See "Keypad Lock" (Page 16). - Radio might need to be reset. Turn radio off then on. - Ensure accessory microphone is set properly
Display is dim	- Recharge or replace batteries.
Charger not functioning	- Ensure that the Charger Plug is installed in the radio properly. - Ensure the outlet where the charger is plugged into is functioning properly. - Check that the battery pack is installed in the radio properly.

USE AND CARE

1. Use a soft damp cloth to clean the radio
2. Do not use alcohol or cleaning solutions to clean the radio.
3. Do not immerse the radio in water.
4. Dry the radio with dry lint-free cloth should it get wet.
5. Turn off the radio and remove the batteries during long-term storage.

If you have a problem which you believe requires service, please call first and speak with a service technician. Many problems can be remedied over the phone without returning the unit for service.

SPECIFICATIONS

Channels: 22 GMRS/FRS Channels + 121 Privacy Codes, 7 NOAA Weather (WX) Band Channels.

Operating Frequency: UHF 462.5500 ~ 467.7125 MHz, AM : 520kHz ~ 1710kHz - 10kHz steps FM : 87.5MHz ~ 108.0MHz - 100kHz steps.

Power Source: 4 AA Alkaline or 6.0V Rechargeable Ni-MH battery pack

SPECIFICATIONS continued

GMRS/FRS FREQUENCY CHART (MHz)

CH. No	CH. Freq.	CH. No	CH. Freq.	CH. No	CH. Freq.
1	462.5625	9	467.5875	17	462.6000
2	462.5875	10	467.6125	18	462.6250
3	462.6125	11	467.6375	19	462.6500
4	462.6375	12	467.6625	20	462.6750
5	462.6625	13	467.6875	21	462.7000
6	462.6875	14	467.7125	22	462.7250
7	462.7125	15	462.5500		
8	467.5625	16	462.5750		

* Channels 8~14 are low-power FRS license free channels

NOAA WEATHER (WX) RADIO FREQUENCY CHART (MHz)

CH. No	CH. Freq.	CH. No	CH. Freq.
1	162.400	6	162.525
2	162.425	7	162.550
3	162.450		
4	162.475		
5	162.500		

SPECIFICATIONS continued

PRIVACY CODES FREQUENCY CHART (Hz)

Code	Freq.	Code	Freq.	Code	Freq.	Code	Freq.	Code	Freq.
1	67.0	9	91.5	17	118.8	25	156.7	33	210.7
2	71.9	10	94.8	18	123.0	26	162.2	34	218.1
3	74.4	11	97.4	19	127.3	27	167.9	35	225.7
4	77.0	12	100.0	20	131.8	28	173.8	36	233.6
5	79.7	13	103.5	21	136.5	29	179.9	37	241.8
6	82.5	14	107.2	22	141.3	30	186.2	38	250.3
7	85.4	15	110.9	23	146.2	31	192.8		
8	88.5	16	114.8	24	151.4	32	203.5		

Note: Privacy codes can be programmed for use on any channel

SPECIFICATIONS continued

DCS PRIVACY CODE CHART

No.	CODE	No.	CODE	No.	CODE	No.	CODE
1	023	22	143	43	315	64	532
2	025	23	152	44	331	65	546
3	026	24	155	45	343	66	565
4	031	25	156	46	346	67	606
5	032	26	162	47	351	68	612
6	043	27	165	48	364	69	624
7	047	28	172	49	365	70	627
8	051	29	174	50	371	71	631
9	054	30	205	51	411	72	632
10	065	31	223	52	412	73	654
11	071	32	226	53	413	74	662
12	072	33	243	54	423	75	664
13	073	34	244	55	431	76	703
14	074	35	245	56	432	77	712
15	114	36	251	57	445	78	723
16	115	37	261	58	464	79	731
17	116	38	263	59	465	80	732
18	125	39	265	60	466	81	734
19	131	40	271	61	503	82	743
20	132	41	306	62	506	83	754
21	134	42	311	63	516		

Note: Privacy codes can be programmed for use on any channel

WARRANTY REGISTRATION

To ensure full warranty coverage or product updates, registration of your product should be completed as soon as possible after purchase or receipt. You may use one of the following options to register your product:

1. By visiting our website at <http://www.etoncorp.com>.
2. Mail in enclosed warranty card.
3. Mail your warranty card or information to following address; include your name, full mailing address, phone number, email address, model purchased, date purchased, retail vendor name:

Etón Corporation
1015 Corporation Way
Palo Alto, CA 94303 USA

LIMITED WARRANTY

Retain the warranty information from your warranty card with your proof of purchase or the Limited Warranty information can also be viewed at www.etoncorp.com.

SERVICE FOR YOUR PRODUCT

To obtain service for your product, we recommend first contacting an Etón service representative at 1-800-872-2228 US, 1-800-637-1648 Canada, (650) 903-3866, customersvc@etoncorp.com or your respective country distributor in Europe (see enclosed list) for problem determination and trouble-shooting. If further service is required, the technical staff will instruct how to proceed based on whether the radio is still under warranty or needs non-warranty service.

WARRANTY - If your product is still in warranty and the Etón service representative determines warranty service is needed, a return authorization will be issued and instructions will be given. DO NOT ship your radio back without obtaining the return authorization.

NON-WARRANTY - If your product is no longer under warranty and requires service, the Etón service representative will refer you to the nearest repair facility that will best handle the repair.

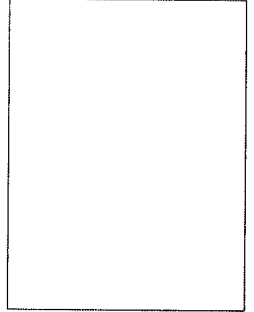
For service outside North America, please refer to the distributor information included at time of purchase/receipt.

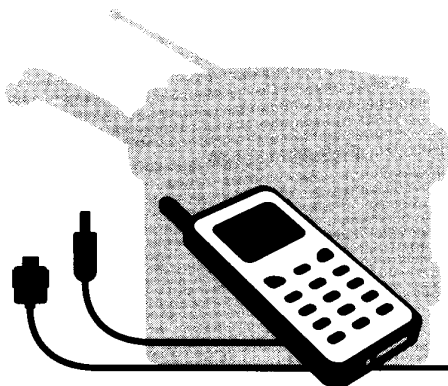
FCC NOTE

The manufacturer is not responsible for any radio or tv interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

etón
re_inventing radio
www.etoncorp.com

Etón Corporation
1015 Corporation Way
Palo Alto, CA 94303
USA





In order to obtain the cell phone adapter tip and cord for your Etón Crank Radio, choose one of the following options:

1. Fill out the form below and mail it back to us.*
2. Email us at **customer_support@etoncorp.com** with all required information.*
3. Register online at **www.etoncorp.com/productregistration**.

First Name: _____ Last Name: _____

Address: _____

City: _____

State/Province: _____ Zip/Postal Code: _____

Phone: _____ Email Address: _____

Cell Phone Brand: _____ Cell Phone Model #: _____

Please indicate model of radio purchased
(ie. ARC FR400, Etón FR300,...)

* All information is required in order to process your request.
Please allow up to 3 weeks for your request to be processed

eTón
re_inventing radio
www.etoncorp.com

Standard of Quality

Limited Warranty and Product Registration

USA

Etón Corporation
Corporate Headquarters
1015 Corporation Way
Palo Alto, CA 94303
www.etoncorp.com

Germany

Etón Europe / Lextronix Germany
Berlin Office
Rosenstrasse 2
D-10178 Berlin
www.lextronixusa.de

Canada

Etón Electronics Canada LTD
Toronto Office
1 Yonge Street, Suite 1801
Toronto, Ontario M5E 1W7
www.etoncorp.com

eTón
re_inventing radio
www.etoncorp.com

LIMITED WARRANTY

Etón Corporation (Etón) offers a limited warranty to the original customer against manufacturing defects in material and workmanship on this product. This warranty is valid only for the original purchaser and is not transferable.

TWO (2) YEARS PARTS AND LABOR - Europe

ONE (1) YEAR PARTS AND LABOR - North America

This limited warranty begins on the original date of purchase, and is valid only on products purchased through an authorized Etón retailer. Warranty repairs must be performed by Etón or an authorized service center. To receive warranty service, the original dated bill of sale, or a copy, must be presented upon request as proof of purchase. Installation, removal or reinstallation of the product is not included under this warranty. Shipping to Etón or the authorized service center is the responsibility of the purchaser. For products purchased in Europe, please return to your dealer or the distributor of your country, which is listed on a sheet included in the packaging.

Etón will repair or replace this product, at our option and at no charge, with new or reconditioned parts if this product is found to be defective during the limited warranty period. To be eligible for warranty coverage, the product must be returned with shipping charges prepaid no later than 15 days after the expiration of the warranty period to Etón or the designated service center. Prior to

returning any product for warranty service, the purchaser must contact Etón or the designated service center for troubleshooting and service procedure instructions. Damaged parts or products become the property of Etón. Parts and products replaced by Etón assume the remaining original warranty, or ninety (90) days, whichever is longer.

This limited warranty covers manufacturing defects in material and workmanship encountered in normal, noncommercial use of this product and shall not apply to the following, including, but not limited to: damage that occurs due to applications and uses for which the product was not intended; failures or problems that are caused by products or equipment not supplied by Etón; accidents, misuse, abuse, neglect, misapplication, fire, water, lightning, or other acts of nature; incorrect line voltage, fluctuations, or surges; damage caused by improper or faulty installation; damage caused by acid leakage from improperly installed or defective batteries; product alteration or modification; or use of unauthorized parts, supplies, accessories, or equipment that damage this product or result in service problems.

SERVICE INFORMATION

To obtain service for your Etón product, first contact an Etón service representative at 1-800-872-2228 US, 1-800-637-1648 Canada or your respective country distributor in Europe (see enclosed list) for troubleshooting. Many common questions and problems can be resolved over the phone.

WARRANTY REGISTRATION

To ensure full warranty coverage or product updates, registration of your product should be completed as soon as possible after purchase or receipt. You may use one of the following options to register your product:

1. By visiting our website at <http://www.etoncorp.com>.
2. Mail in enclosed warranty card.
3. Mail your registration card or information to following address; include your name, full mailing address, phone number, email address, model purchased, date purchased, retail vendor name:

Etón Corporation	Etón Europe
1015 Corporation Way	Rosenstrasse 2
Palo Alto, CA 94303 USA	D-10178 Berlin, Germany

LIMITED WARRANTY

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SERVICE FOR YOUR PRODUCT

To obtain service for your product, we recommend first contacting an Etón service representative at: 1-800-872-2228 US, 1-800-637-1648 Canada, (650) 903-3866 or customersvc@etoncorp.com for problem determination and trouble-shooting. If further service is required, the technical staff will instruct how to proceed based on whether the radio is still under warranty or needs non-warranty service.

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For service outside North America, please refer to the distributor information included at time of purchase/receipt.

*Denotes Required Field

Etón Product Registration

Go to: **www.etoncorp.com/productregistration**, or mail this form today.

Cell Phone Model #*:

Serial number*:
(located in the back of the unit)

Date of purchase*:

Dealers name*:

City*:

Country/Territory*:

Name*: _____

Address*: _____

City*: _____

State/Province*: _____

Postal Code/ZIP Code*: _____

Country/Territory*: _____

Telephone Number*: _____

Email*: _____

1. Your annual income?

- | | |
|--|---|
| ☐ Under \$14,999 | ☐ \$50,001 to \$75,000 |
| ☐ \$15,000 to \$30,000 | ☐ \$75,001 to \$150,000 |
| ☐ \$30,001 to \$50,000 | ☐ Over \$150,001 |

2. Your age?

- | | | |
|--------------------------------|-----------------------------|-----------------------------------|
| ☐ Under 16 | ☐ 31-35 | ☐ 51-55 |
| ☐ 16-20 | ☐ 36-40 | ☐ 56-60 |
| ☐ 21-25 | ☐ 41-45 | ☐ 61 and over |
| ☐ 26-30 | ☐ 46-50 | |

3. What are your listening interests? (Check all that apply)

- | | |
|---------------------------------------|---|
| ☐ Satellite Radio | ☐ Shortwave/International Broadcast |
| ☐ Local AM/FM | |

4. Did you consider another unit before choosing this product?

- ☐ Yes (Please Specify Model): _____
- ☐ No

5. What is your occupation? _____

6. How did you hear about Etón?

- | | |
|--|-----------------------------------|
| ☐ Newspaper ad | ☐ Article |
| ☐ Radio ad | ☐ Web Search |
| ☐ Through a retailer | ☐ Other _____ |

- ☐ **Yes!** I would like Etón to send me information on products including special offers, new product launches, and product updates/information:

- ☐ Email ☐ Mail

etón
re.inventing radio
www.etoncorp.com